

12-19-05

12/19/05



PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|---|---|------------------------|------------------------|
| <h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p> | | Application Number | 10/828,481-Conf. #4860 |
| | | Filing Date | April 20, 2004 |
| | | First Named Inventor | Carl H. JUNE et al. |
| | | Art Unit | 1632 |
| | | Examiner Name | D. T. Nguyen |
| Total Number of Pages in This Submission | 5 | Attorney Docket Number | 36119.140US3/AM100528 |

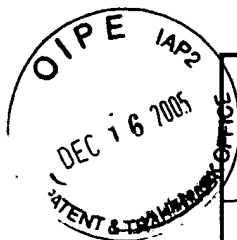
ENCLOSURES (Check all that apply)

| | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <div style="border: 1px solid black; padding: 5px;">Remarks</div> | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|---|----------|--------|
| Firm Name | WILMER CUTLER PICKERING HALE AND DORR LLP | | |
| Signature | <i>Colleen Superko</i> | | |
| Printed name | Colleen Superko | | |
| Date | December 15, 2005 | Reg. No. | 39,850 |

Express Mail Label No. EV621477199US Dated: December 16, 2005



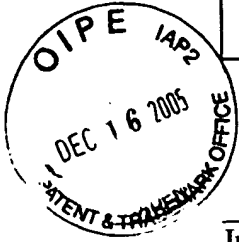
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|--|--|--------------------------|------------------------|
| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). | | Complete if Known | |
| FEE TRANSMITTAL For FY 2005 | | Application Number | 10/828,481-Conf. #4860 |
| | | Filing Date | April 20, 2004 |
| | | First Named Inventor | Carl H. JUNE et al. |
| | | Examiner Name | D. T. Nguyen |
| | | Art Unit | 1632 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Attorney Docket No. | 36119.140US3/AM100528 |
| TOTAL AMOUNT OF PAYMENT | | (\$) | 180.00 |

| | |
|---|---|
| METHOD OF PAYMENT (check all that apply) | |
| <input type="checkbox"/> Check | <input type="checkbox"/> Credit Card |
| <input type="checkbox"/> Money Order | <input type="checkbox"/> None |
| <input type="checkbox"/> Other (please identify): _____ | |
| <input checked="" type="checkbox"/> Deposit Account | Deposit Account Number: <u>08-0219</u> Deposit Account Name: <u>Wilmer Cutler Pickering Hale and Dorr LLP</u> |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) | |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 | <input checked="" type="checkbox"/> Credit any overpayments |

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|---|---------------------|---|--------------------|----------------------|----------------------------------|-----------------------|-----------------------|
| FEE CALCULATION | | | | | | | |
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES | | | | | | | |
| | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | |
| | | Small Entity | | Small Entity | | Small Entity | |
| Application Type | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fees Paid (\$) |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |
| 2. EXCESS CLAIM FEES | | | | | | | |
| | | | | | | Small Entity | |
| | | | | | | Fee (\$) | Fee (\$) |
| Fee Description | | | | | | | |
| Each claim over 20 (including Reissues) | | | | | | 50 | 25 |
| Each independent claim over 3 (including Reissues) | | | | | | 200 | 100 |
| Multiple dependent claims | | | | | | 360 | 180 |
| Total Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | | |
| _____ | | _____ | x _____ | = _____ | Fee (\$) | | Fee Paid (\$) |
| Indep. Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | | | |
| _____ | | _____ | x _____ | = _____ | | | |
| 3. APPLICATION SIZE FEE | | | | | | | |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | | Fee (\$) | Fee Paid (\$) | | |
| _____ | _____ | /50 _____ (round up to a whole number) x _____ | | = _____ | | | |
| 4. OTHER FEE(S) | | | | | | | |
| | | | | | | Fees Paid (\$) | |
| Non-English Specification, \$130 fee (no small entity discount) | | | | | | | |
| Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement | | | | | | | 180.00 |

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|---------------------|------------------------|-----------------------------------|-------------------|
| SUBMITTED BY | | | |
| Signature | <u>Colleen Superko</u> | Registration No. (Attorney/Agent) | 39,850 |
| Name (Print/Type) | Colleen Superko | Telephone | (617) 526-6000 |
| | | Date | December 15, 2005 |

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| Express Mail Label No. EV621477199US Dated: December 16, 2005 |
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Express Mail Label No. EV621477199US Dated: December 16, 2005

Docket No.: 36119.140US3/AM100528
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Carl H. JUNE et al.

Application No.: 10/828,481

Confirmation No.: 4860

Filed: April 20, 2004

Art Unit: 1632

For: METHODS FOR TRANSFECTING T CELLS

Examiner: D. T. Nguyen

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits and before the mailing date of a final Office Action or a Notice of Allowance.

Please charge the \$180.00 fee to our Deposit Account No. 08-0219.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: December 15, 2005

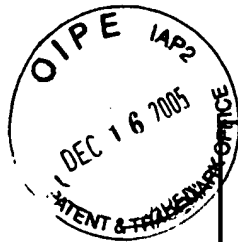
Respectfully submitted,

12/21/2005 DTESEM1 00000024 080219 10828481

01 FC:1806 180.00 DA

By Colleen Superko
Colleen Superko

Registration No.: 39,850
WILMER CUTLER PICKERING HALE AND
DORR LLP
60 State Street
Boston, Massachusetts 02109
(617) 526-6000
Attorney for Applicants



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| Substitute for form 1449A/B/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Application Number | 10/828,481 – Conf. #4860 |
| | | | | Filing Date | April 20, 2004 |
| | | | | First Named Inventor | Carl H. JUNE et al. |
| | | | | Art Unit | 1632 |
| | | | | Examiner Name | D. T. Nguyen |
| Sheet | 1 | of | 2 | Attorney Docket Number | 36119.140US3/AM100528 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | AA* | US-5,272,082 | 12-21-1993 | Santoli et al. | |
| | AB* | US-5,399,346 | 03-21-1995 | Anderson et al. | |
| | AC* | US-5,443,983 | 08-22-1995 | Ochoa et al. | |
| | AD* | US-5,733,543 | 03-31-1998 | Nabel et al. | |
| | AE* | US-5,738,852 | 04-14-1998 | Robinson et al. | |
| | AF* | US-5,827,642 | 10-27-1998 | Riddell et al. | |
| | AG* | US-5,858,358 | 01-12-1999 | June et al. | |
| | AH* | US-6,692,964 | 02-17-2004 | June et al. | |
| | AI* | US-2004-0087025 | 05-06-2004 | June et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|-----------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | BA | WO-90/05541 | 05-31-1990 | THE REGENTS OF THE UNIVERSITY OF MICHIGAN | | |
| | BB | WO-94/12196 | 06-09-1994 | TANOX BIOSYSTEMS, INC. | | |
| | BC | WO-94/29436 | 12-22-1994 | THE UNITED STATES OF AMERICA represented by THE SECRETARY OF THE NAVY | | |
| | BD | WO-95/03408 | 02-02-1995 | DANA-FARBER CANCER INSTITUTE | | |
| | BE | WO-95/33823 | 12-14-1995 | THE UNITED STATES OF AMERICA, represented by THE SECRETARY OF THE NAVY | | |
| | BF | WO-95/34320 | 12-21-1995 | REGENTS OF THE UNIVERSITY OF MINNESOTA | | |
| | BG | WO-96/01122 | 01-18-1996 | DANA-FARBER CANCER INSTITUTE | | |
| | BH | WO-96/02646 | 02-01-1996 | CYTOTHERAPEUTICS, INC. | | |
| | BI | WO-96/06942 | 03-07-1996 | MAX-PLANCK- GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V. | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| Examiner Signature | Date Considered |
|-----------------------|--------------------|

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US1DOCS 5412827v1

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| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/828,481 – Conf. #4860 |
| | | | | Filing Date | April 20, 2004 |
| | | | | First Named Inventor | Carl H. JUNE et al. |
| | | | | Art Unit | 1632 |
| | | | | Examiner Name | D. T. Nguyen |
| Sheet | 2 | of | 2 | Attorney Docket Number | 36119.140US3/AM100528 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | CA | Cann et al., "High Efficiency Transfection of Primary Human Lymphocytes and Studies of Gene Expression," <i>Oncogene</i> , 3:122-128 (1988) | |
| | CB | Coghlan, "Gene Dream Fades Away" <i>New Scientist</i> , 148: 14-15 (1995) | |
| | CC | Crystal, "Transfer of Genes to Humans: Early Lessons and Obstacles to Success" <i>Science</i> , 270:404-410 (1995) | |
| | CD | Fausser, "Long-Term Expression of Gene Introduction into Normal Human T-Lymphocytes by Retroviral-Mediated Gene Transfer," <i>Journal of Cellular Biochemistry</i> , 45:353-358 (1991) | |
| | CE | Finer et al., "kat: A High-Efficiency Retroviral Transduction System for PRimary HUman T Lymphocytes," <i>Blood</i> , 83(1):43-50 (1994) | |
| | CF | Guba et al., "Interleukin-3 Gene Induction in Normal Human T Cells Via Stimulation of CD3 and CD28," <i>Clinical Research</i> , 37(4) (1989) | |
| | CG | Gunzburg et al., "Virus Vector Design in Gene Therapy" <i>Molecular Medicine Today</i> , 410-417 (1995) | |
| | CH | Lowenthal et al., "Tumor Necrosis Factor α Induces Proteins that Bind Specifically to kB-like Enhancer Elements and Regulate Interleukin 2 Receptor α -chain Gene Expression in Primary Human T Lymphocytes," <i>PNAS USA</i> , 86:2331-2335 (1989) | |
| | CI | Mastrangelo et al. "Gene Therapy for Human Cancer: An Essay for Clinicians" <i>Seminars In Oncology</i> , 23(1):4-21 (1996) | |
| | CJ | Novak et al., "In Vitro Transfection of Fresh Thymocytes and T Cells Shows SUBset-Specific Expression of Viral Promoters," <i>Molecular and Cellular Biology</i> , 12:1515-1527 (1992) | |
| | CK | Park et al., "Transcriptional Regulation of Interleukin 3 (IL3) in Primary Human T Lymphocytes," <i>Journal of Biological Chemistry</i> , 268(9):6299-6308 (1993) | |
| | CL | Philip et al., "Efficient and Sustained Gene Expression in Primary T Lymphocytes and Primary and Cultured Tumor Cells Mediated by Adeno-Associated Virus Plasmid DNA Complexed to Cationic Liposomes," <i>Molecular and Cellular Biology</i> , 14:2411-2418 (1994) | |
| | CM | Tiberghien et al., "Ganciclovir Treatment of Herpes Simplex Thymidine Kinase-Transduced Primary T Lymphocytes: An Approach for Specific In Vivo Donor T-Cell Depletion After Bone Marrow Transplantation?" <i>Blood</i> , 84(4):1333-1341 (1994) | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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|--------------------|--|-----------------|--|
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